



2024

Water Budget

A plan for today and tomorrow!

The Corporation of the Township of Hamilton



Table of Contents

Water Operations Department 3
2024 Draft Water Operating Budget..... 9
 Request #1: Water Lead Hand 13
2023 Draft Water Capital Budget..... 16
 Request #2: Rehabilitate CHLP-02 (Jockey Pump) ... 17

 Request #3: Water Meter Replacement Program20
2023 Reserve Fund and Debt Table..... 23
2025-2034 Draft Water Capital Forecast..... 24
Final Thoughts..... 26
Appendix 27



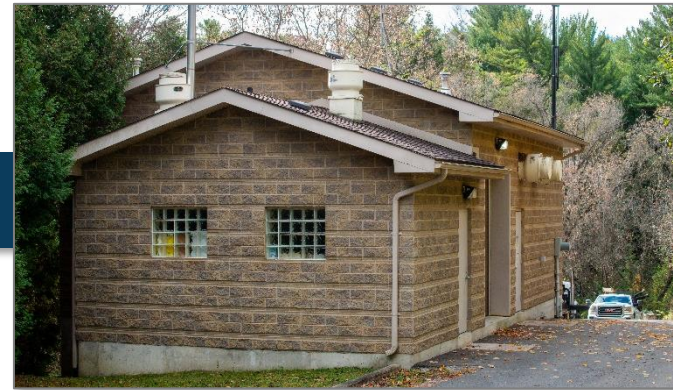
Water Operations Department

What We Do

The Water Operations Department is responsible for the treatment and distribution of safe drinking water through compliance with all relevant Ontario legislation. Our department is committed to continuous improvement initiatives and preventative maintenance to enhance the operation of our Drinking Water Systems. All of us in the Water Department and any Staff within the Township that support the Water Department, are highly dedicated to providing the safest drinking water, utilizing every precious dollar from the Rate Payers in the most efficient way.

2023 Accomplishments

- We received 100% on both Camborne and Creighton Heights Water Treatment Systems Annual Ministry of Environment Inspections. This falls inline with our Strategic Plan Priority of Environment: “Continue to implement Drinking Water Standards, Source Protection and Risk Management Practices”.
- Continued and intelligent Operations and Maintenance of our Water Treatment Systems to ensure safe and reliable supply of water to our



- customers. We meet and/or exceed regulatory requirements and continue to find ways to improve. This falls inline with our Strategic Plan Priority of Effective governance: “To deliver efficient and cost effective governance in a timely manner through leadership and respect - administer with an unbiased view”.
- One of our Water Operator’s Drinking Water Operating licenses was renewed which is now valid until November 30th of 2026. A renewal only occurs when a certain number of approved training hours have been accomplished over the course of the past 3 years. The focused training ensures Operators are continuously learning and improving their skill set. This falls inline with our Strategic Plan Priority of People: “Our people are at the

heart of our efforts to deliver quality services to our residents and community. The Township is committed to enabling our staff to be engaged and supported in the work that they do and in their professional and personal lives by establishing an inclusive, positive, innovative, progressive, and united workplace culture”.

- Replacement of Creighton Heights Primary Disinfection Ultraviolet Reactors which has been approved by Council. UV Reactors are critical to proper disinfection of drinking water. This falls inline with our Strategic Plan Priority of Environment: “The Township of Hamilton is committed to protecting, maintaining, and raising awareness of the natural environment and greenspaces within the Township”. New UVs will be more energy efficient while providing reliable Primary Disinfection. This project also falls inline with our Strategic Plan Priority of Community: The Township is committed to building a strong community to encourage social connections, a sense of belonging, safety, and security, and participation in a community bonded by shared progressive and inclusive attitudes, values, and goals for a fulfilling life. It will allow us to continue to “maintain community safety accreditations such as Drinking Water Standards”.
- Creighton Heights Raw Water Quality Study is ongoing with WCWC in order to find ways to

remove naturally occurring ammonia. By removing the naturally occurring ammonia upstream of the disinfection process, we will improve aesthetic quality of the drinking water. It could potentially allow the treatment process to be reverted back to Free Chlorination. Project is ongoing. This project falls inline with our Strategic Plan Priority of Community: “The Township is committed to building a strong community to encourage social connections, a sense of belonging, safety, and security, and participation in a community bonded by shared progressive and inclusive attitudes, values, and goals for a fulfilling life”. Maintaining community safety such as Drinking Water Standards is of highest importance.

- Continued replacement of water meters in Creighton Heights and Camborne which will enhance water meter reading from a time intensive and inefficient task to a streamlined and quick task. Replacement of old meters also captures lost revenue as old meters do not account for all the water that passes through a water meter due to wearing of the inside of the meter. This falls in line with the Strategic Plan Priority of Effective Governance: “To deliver efficient and cost effective governance in a timely manner through leadership and respect - administer with an unbiased view”.
- Completion of Replacement of Greensand and Anthracite Media in Filter 2 at Creighton Heights

as media was nearing end of life. Media is critical for removal of Manganese and Iron. Manganese removal has improved and is maintained below the Aesthetic Objective of 0.05 mg/L. Council approved project. This falls in line with the Strategic Plan Priority of Community: “The Township is committed to building a strong community to encourage social connections, a sense of belonging, safety, and security, and participation in a community bonded by shared progressive and inclusive attitudes, values, and goals for a fulfilling life”. Maintaining community safety accreditations such as Drinking Water Standards is of the highest priority.

- Replaced 2 pressure tanks at Camborne Water Treatment Plant. This falls in line with the Strategic Plan Priority of Community: The Township is committed to building a strong community to encourage social connections, a sense of belonging, safety, and security, and participation in a community bonded by shared progressive and inclusive attitudes, values, and goals for a fulfilling life.
- Council approved our Water Supply Master Plan Study. With completion of the study the Township can make informed decisions about how to best increase capacity. Improved or newly built infrastructure, as outlined in the Study will allow more connections to our system which will

alleviate the cost burden on so few existing customers. This initiative falls inline with our Strategic Plan Priorities of Development: The Township is committed to growing our economy and residential capacity responsibly and sustainably to ensure agricultural and heritage resources are protected while affordable housing, services, and infrastructure needs are met.

- Council approved the replacement of an antiquated flushing point on Maple Cres in Baltimore with a proper fire hydrant and isolation valve. Not only does this fire hydrant allow for proper flushing of the Distribution System but it enhances the ability of the Fire Department to control fires in the area. This initiative falls inline with our Strategic Plan Priority of Community: The Township is committed to building a strong community to encourage social connections, a sense of belonging, safety, and security, and participation in a community bonded by shared progressive and inclusive attitudes, values, and goals for a fulfilling life.
- Council approved the replacement of an obsolete fire hydrant on Catherine St and Olivers Lane. This project includes installation of a valve for the new fire hydrant to enable isolation for maintenance on the fire hydrant. This initiative falls inline with our Strategic Plan Priority of Community: The Township is committed to

building a strong community to encourage social connections, a sense of belonging, safety, and security, and participation in a community bonded by shared progressive and inclusive attitudes, values, and goals for a fulfilling life.

- As part of many Operations activities that we undertake in a year, we exercised mainline valves using a valve turning machine. Due to the efficiency and effectiveness of Staff and machine, we were able to exercise 63 mainline valves in the Creighton Heights System out of 80 valves. This project also falls inline with our Strategic Plan Priority of Community: The Township is committed to building a strong community to encourage social connections, a sense of belonging, safety, and security, and participation in a community bonded by shared progressive and inclusive attitudes, values, and goals for a fulfilling life. It will allow us to continue to “maintain community safety accreditations such as Drinking Water Standards”.
- As part of many Operations activities that we undertake in a year, we rehabilitated the Pressure Reducing Valve (PRV) on Cty Rd 45. This activity improved downstream flow and pressure delivery especially when we are flushing hydrants upstream of the PRV. This project also falls inline with our Strategic Plan Priority of Community: The Township is committed to building a strong community to encourage social connections, a

sense of belonging, safety, and security, and participation in a community bonded by shared progressive and inclusive attitudes, values, and goals for a fulfilling life. It will allow us to continue to “maintain community safety accreditations such as Drinking Water Standards”.

2024 Priorities

- Rebuild Highlift Pump #2 (CHLP-2) Jockey Pump at Camborne Water Treatment Plant. This falls in line with the Strategic Plan Priority of Community: “The Township is committed to building a strong community to encourage social connections, a sense of belonging, safety, and security, and participation in a community bonded by shared progressive and inclusive attitudes, values, and goals for a fulfilling life”. Maintaining community safety accreditations such as Drinking Water Standards is of the highest priority.
- Flow test fire hydrants in Creighton Heights Distribution system. This benefits the Fire Department as fire flow test includes colour coding hydrants. Colour coded hydrants allow Fire Fighters to determine how much water they can draw for fire fighting purposes. This falls in line with the Strategic Plan Priority of Community: “The Township is committed to building a strong community to encourage social connections, a

sense of belonging, safety, and security, and participation in a community bonded by shared progressive and inclusive attitudes, values, and goals for a fulfilling life”. Maintaining community safety accreditations such as Drinking Water Standards is of the highest priority.

- Continue mainline valve exercising with valve turning machine. This falls in line with the Strategic Plan Priority of Community: “The Township is committed to building a strong community to encourage social connections, a sense of belonging, safety, and security, and participation in a community bonded by shared progressive and inclusive attitudes, values, and goals for a fulfilling life”. Maintaining community safety accreditations such as Drinking Water Standards is of the highest priority.
- Plan to replace old flushing station with a fire hydrant and isolation valve on Elm St. This falls in line with the Strategic Plan Priority of Community: “The Township is committed to building a strong community to encourage social connections, a sense of belonging, safety, and security, and participation in a community bonded by shared progressive and inclusive attitudes, values, and goals for a fulfilling life”. Maintaining community safety accreditations such as Drinking Water Standards is of the highest priority.

- Implement Water Lead Hand which is a critical need, imperative for continuity in Operations and Capital Works. Lead Hand also acts as back up DWQMS Representative and back up for Compliance. This falls inline with our Strategic Plan Priority of People: “Our people are at the heart of our efforts to deliver quality services to our residents and community. The Township is committed to enabling our staff to be engaged and supported in the work that they do and in their professional and personal lives by establishing an inclusive, positive, innovative, progressive, and united workplace culture”.
- Continue to plan and prepare for replacement Water Operator due to approaching retirement. This falls inline with our Strategic Plan Priority of People: “Our people are at the heart of our efforts to deliver quality services to our residents and community. The Township is committed to



enabling our staff to be engaged and supported in the work that they do and in their professional and personal lives by establishing an inclusive, positive, innovative, progressive, and united workplace culture”.

- Continued and careful administration of Rate Payers’ dollars by Operations and Finance to ensure every dollar is spent with the utmost efficiency and care. Staff truly contribute to this in many ways by optimizing process, finding best price, sometimes not submitting a call out or overtime, working on Water initiatives on their own time, donating tools, to name a few examples. There are countless ways that Water Operations department goes over and above to stretch each precious dollar. This falls in line with the Strategic Plan Priority of Effective Governance: “To deliver efficient and cost effective governance in a timely manner through leadership and respect - administer with an unbiased view”.



2024 Draft Water Operating Budget

Table 1: Water Budget Highlights

	2023 Budget	2024 Draft Budget	Variance (Fav)/Unfav	Variance %
Expenditures				
Personnel	308,266	339,300	31,034	10.1%
Contribution to Reserve	131,777	189,114	57,337	43.5%
Debt Payment to 3rd Party	79,200	79,200	-	0.0%
Other Expenditure	253,518	277,168	23,650	9.3%
Total Expenditures	772,761	884,782	112,021	14.5%
Revenues				
Contribution from Reserve	-	-	-	
Other Revenue	(772,761)	(884,782)	(112,021)	14.5%
Total Revenue	(772,761)	(884,782)	(112,021)	14.5%
Net Budget	0	-0	0	

Table 2: Water Budget Highlights by Category

	2023 Approved Budget	Base	New	Annualization	Service Enhancements	External Pressures	Capital Contribution	2024 Draft Budget
Expenditures								
Personnel	308,266	31,034	-	-	-	-	-	339,300
Contribution to Reserve	131,777	57,337	-	-	-	-	-	189,114
Debt Payment to 3rd Party	79,200	-	-	-	-	-	-	79,200
Other Expenditure	253,518	13,050	-	-	-	10,600	-	277,168
Total Expenditures	772,761	101,421	-	-	-	10,600	-	884,782
Revenues								
Contribution from Reserve	-	-	-	-	-	-	-	-
Other Revenue	(772,761)	(112,021)	-	-	-	-	-	(884,782)
Total Revenue	(772,761)	(112,021)	-	-	-	-	-	(884,782)
Net Budget	0	(10,600)	-	-	-	10,600	-	-0

Table 3: Water Pressure Sheet (Part 1)

Budget Variance Explanations	2021 Actual	2022 Actual	2023 Preliminary Actual	2023 Budget	2024 Draft Budget	Incremental Changes	% Change Over Prior Year	Explanation
2023 Net Budget						-		
EXPENDITURES								
Personnel	275,402	268,672	217,010	308,266	339,300	31,034	10.1%	Due to general cost of living, step and benefit rate increases, increase in maximum pensionable earnings (CPP), and conversion to one leadhand position
Contribution to Reserve								
<u>Water Admin</u>								
TRANSFER TO WATER RESERVE	24,699	70,263	70,263	70,263	70,263	-	0.0%	
TRANSFER TO WATER RATE STUDY RESERVE	10,000	10,000	10,000	10,000	10,000	-	0.0%	
TRANSFER TO CAPITAL RESERVE	28,260	28,510	75,806	29,634	82,156	52,522	177.2%	Water Rate Study forecasted transfer of \$114k in 2024. Funding deficit of approximately \$78k from what Rate Study projected (2021-2024).
TRANSFER TO BUTTERSFIELD CAPITAL RESERVE	24,487	27,911	7,798	7,798	12,612	4,815	61.7%	Reduced to pay for Debt payment for June Ave/Catherine St watermain project
Debt Payment								
CAPITAL LOAN AND INTEREST PAYMENT				79,200	79,200	-	0.0%	Capital loan/interest payment for 3rd party debt financing

Table 4: Water Pressure Sheet (Part 2)

Budget Variance Explanations	2021 Actual	2022 Actual	2023 Preliminary Actual	2023 Budget	2024 Draft Budget	Incremental Changes	% Change Over Prior Year	Explanation
Other Expenditure								
<u>Water Admin</u>								
TRAINING	2,929	4,100	1,953	4,000	4,500	500	12.5%	Aligned with actual
MILEAGE & FUEL	3,969	8,362	6,305	8,000	9,000	1,000	12.5%	Increase in gas price and more use of Water vehicle by on call operator for responding to emergency call
LAB SUPPLIES	4,077	6,269	5,011	6,500	6,800	300	4.6%	Aligned with actual
TELEPHONE	964	1,038	788	800	1,000	200	25.0%	Aligned with actual
DISPATCHING SERVICES	824	895	721	850	1,100	250	29.4%	Aligned with actual + contingency
COURIER/POSTAGE	-	2,032	2,451	1,500	2,200	700	46.7%	Aligned with actual and CPI Postage for Water bill and notices sent out to water users
CONTRACTED OUT	12,377	16,025	9,669	25,000	26,000	1,000	4.0%	CPI
VEHICLE REPAIRS	1,412	296	2,483	2,000	4,000	2,000	100.0%	Aligned with actual + contingency
CONSULTANT GENERAL	18,322	2,865	8,141	5,000	6,000	1,000	20.0%	Uncommitted Reserve Capacity Study
WATERWORKS WATER METERS					3,500	3,500		To purchase water meter for new connection costs of these ones offset the sale of water meters
<u>Camborne</u>								
CHEMICAL SUPPLY	742	1,346	861	900	1,000	100	11.1%	Aligned with average actual
<u>Creighton Heights</u>								
CHEMICALS	13,210	14,605	13,385	15,000	15,500	500	3.3%	Aligned with projected actual + fuel surcharges are now being applied
HYDRO	51,934	61,162	37,965	60,000	61,000	1,000	1.7%	Aligned with projected actual
Total Expenditures Variance						101,421	14.5%	

Table 5: Water Pressure Sheet (Part 3)

Budget Variance Explanations	2021 Actual	2022 Actual	2023 Preliminary Actual	2023 Budget	2024 Draft Budget	Incremental Changes	% Change Over Prior Year	Explanation
REVENUES								
Other Revenue								
BUTTERSFIELD COST RECOVERIES	(24,487)	(28,161)	(32,385)	(32,098)	(36,913)	(4,816)	15.0%	Rate Increase
WATER BILLING	(395,073)	(442,807)	(442,471)	(554,732)	(637,942)	(83,210)	15.0%	Rate Increase
CAPITAL COST RECOVERY	(122,219)	(140,804)	(161,923)	(159,980)	(183,977)	(23,997)	15.0%	Rate Increase
Total Revenues Variance						(112,022)	14.5%	
BASE BUDGET INCREASE						(10,600)		
EXTERNAL PRESSURE								
INSURANCE	22,151	25,973	33,265	26,000	36,600	10,600	40.8%	Aligned with Actual + Rate Increase
EXTERNAL PRESSURE						10,600		
Incremental Change Net Budget						0		
						0		

Water Business Enhancement Requests

Request #1: Water Lead Hand

Project Name: Water Lead Hand	Submitted By: Anita Schoenleber, Water Operations Manager
Department: Water Operations	Estimated Start Date: February, 2024

Table 6: Description and Justification

Description:	Create Water Lead Hand position that will be filled by one of four existing Water Operators. This is not a new Staff Ask but an enhancement to the current role of a Water Operator.
Justification:	<p>The Water Department lacks continuity in Operations and Capital Works. A Lead Hand will be the steady hand at the helm to oversee day to day Operations and particularly Capital Projects as they unfold. Historically, the Water Department has lacked continuous oversight which has led to missed opportunities over the years. Currently, the Water Department and other Township Staff are having to clear up impacts from the lack of continuity and long view decisions. Cleaning up after the fact costs much more and is time intensive/costly rather than to foresee the problem, make good decisions and plan effectively. An additional benefit to the Water Department is that the Lead Hand will train and mentor a replacement Operator in preparation for imminent retirements. This proactive planning is critical to ensure the continued safety of the drinking water delivered to customers taps.</p> <p>Another key importance of this ask is that currently, there is no back up Drinking Water Quality Management System (DWQMS) Representative. The only staff member in Water that performs this function, is the Manager. If anything were to happen to the Manager, the Township would be out of compliance and would have to take measures to reduce risk to the DWQMS until a back up was set in place.</p>

Table 7: Project Matrix

Criteria	Assessment (Low, Medium, High)	Comments
Safety Issues, Risk Management	High	Continuity at the helm of Water Operations ensures good decision making now and for the future. Continuity protects Safe Drinking Water and allows for proper planning and Capital Works. Continuity saves money in the end as it avoids blunders that cost a lot to fix after the fact.
Legislative Requirement	High	The Safe Drinking Water Act, O. Reg 128 and the DWQMS point to properly staffing the Water Department to ensure compliance and production of Safe Drinking Water
Operational Saving, Short Payback	High	A long term view and continuity always save money and the cost is minimal with very short term pay back.
Growth Related	High	As we progress with our Water Supply Master Plan Study, the experienced Lead Hand with excellent knowledge of the history of the Water systems will feed into the study and enhance decisions on how to improve capacity. This will allow the communities fed by our water systems, to grow in a thoughtful, financially feasible and careful fashion
Service Enhancements	High	The Lead Hand position will continually improve our service to the rate payers by way of steady hand in Operations and Capital Projects as described in many ways above

Table 8: Costing

Cost	2024 (Full Year Budget)
Salary and Benefits	\$8,000
Total Expenditure	\$8,000

Table 9: Funding

Funding	2024 Budget
User Fees	\$8,000

2023 Draft Water Capital Budget

Table 10: Draft Water Capital Budget

Description of Capital Project	2024 Draft Capital Budget	Reserve	Debt
WATER			
Rehab Camborne HLP#2 (Jockey Pump)	\$ 32,000	\$(32,000)	
Water Meter Upgrades	\$ 20,000	\$(20,000)	
2024 Water Capital Budget	\$ 52,000	\$(52,000)	-

Request #2: Rehabilitate CHLP-02 (Jockey Pump)

Project Name: Rehabilitate CHLP-02 (Jockey Pump) **Submitted By:** Anita Schoenleber, Water Operations Manager

Department: Water Operations **Estimated Date of Completion:** December 2024

Asset Name: Rehabilitate CHLP-02, Jockey Pump

Table 11: Project Description and Justification

Project Description:	Rehabilitate CHLP-02, Jockey Pump
Project Justification:	<ul style="list-style-type: none"> All of Camborne Water Treatment Plant Highlift Pumps have been in operation since 2005 when the water plant was commissioned. Minimal maintenance has been required in the past 18 years since the High Lift pumps have been in operation. Work was performed on some of the motors over the years. The Jockey Pump delivers drinking water to the Distribution system and runs several hours a day to top up the pressure tanks which provide flow and pressure to the Distribution system. There are 2 larger High Lift pumps that will run in the event the Jockey Pump cannot keep up with demand. Their function is highly critical. Remove, inspect and rehabilitate CHLP #2, Jockey Pump as it has the most hours and is showing signs of wear

Table 12: Project Matrix

Criteria	Assessment (Low, Medium, High)	Comments
Safety Issues, Risk Management	High	Critically important infrastructure for maintaining flow and pressure to the Distribution System
Legislative Requirement	High	Distribution Pressure must be maintained at a minimum level at all times to protect the system from cross contamination and to ensure customers are continuously supplied
Operational Saving, Short Payback	High	Planned and preventative maintenance is always more cost effective as compared to an emergency where Water Quality would be compromised
Service Enhancements	High	This activity helps ensure secure supply of Drinking Water to our Community

Table 13: Project Budget

Budget	2024
Rehabilitate CHLP-02, Jockey Pump	\$32,000
Total Budget	\$32,000

Table 14: Project Funding

Funding	2024
Water Capital Reserve	\$32,000
Total	\$32,000

Request #3: Water Meter Replacement Program

Project Name: Water Meter Replacement Program

Submitted By: Anita Schoenleber, Water Operations Manager

Department: Water Operations

Estimated Date of Completion: December, 2024

Table 15: Project Description and Justification

Project Description:	Replace existing water meters with radio read meters.
Project Justification:	<p>The Township currently has 555 metered water customers from which all our Water Revenue is derived. Roughly 80% of the meters can only be read with equipment that is obsolete, which if broken, will lead to inefficient averaging of water consumption for billing. Repair parts are increasingly difficult to secure.</p> <p>The Township has replaced approximately 120 of these meters to date. Our Water Operators spend roughly 40 hours during each billing quarter completing the water meter reads. These hours are often spread throughout a few weeks during each billing quarter due to other operational requirements that need to be completed.</p> <p>Upon project completion, once the remaining 455 meters are replaced, water meters could be read in less than four hours.</p>

Table 16: Project Matrix

Criteria	Assessment (Low, Medium, High)	Comments
Safety Issues, Risk Management	Medium	Radio Reads will eliminate the requirement for walking property to property (slips, trips, falls, dog encounters etc.)
Operational Saving, Short Payback	High	Meter reading would take roughly 5% of the current time required to complete. The other 95% of this time can be allocated to more operations and maintenance.
Routine Replacement, Asset beyond lifecycle, Impact of delaying replacement	High	The risk of losing our ability to read meters due to failed meter gun with few/no replacement parts available, results in the billing department having to estimate water consumption. This practice is inaccurate and inefficient. It leads to many unhappy customers and an inordinate amount of time spent by Staff to handle complaints
Service Enhancements	High	The entire water billing task could be completed in one day. Meter reads could be completed in approximately 4 hours, then downloaded directly into our accounting software and bills generated.

Table 17: Project Capital Budget

Budget	2024
Water Meter	\$20,000
Total Budget	\$20,000

Table 18: Project Funding

Funding	2024
Water Capital Reserve	\$20,000
Total	\$20,000

2023 Reserve Fund and Debt Table

Table 19: Water Reserve Fund and Debt

Description	Reserves & Reserve Funds Balances as of Dec. 31, 2022 T-2023-17	Projected 2023 Ending Balance including Commitment	2024 OPERATING BUDGET		2024 CAPITAL BUDGET		Projected 2024 Ending Balance
			Contribution to Reserve	Contribution from Reserve	Contribution to Reserve	Contribution from Reserve	
HYDRANT RESERVE	(147,095)	(96,178)	(14,083)				(110,261)
BUTTERSFIELD CAPITAL FUND RESERVE	11,975	4,177	(12,612)				(8,435)
WATER CAPITAL RESERVE	(70,453)	(26,812)	(82,156)		52,000		(56,968)
WATER RESERVE	352,284	382,021	(70,263)				311,759
WATER RATE STUDY	(21,317)	(31,317)	(10,000)				(41,317)
WATER - UNFUNDED CAPITAL - KENNEDY RD	268,748	268,748					268,748
Water Reserve	394,141	500,639	(189,114)	-	-	52,000	363,525

Description	2021 Approved Debt	2022 Approved Debt	2023 Approved Debt	2024 Debt Request	Total Debt
3rd PARTY WATER DEBT APPROVED FOR CAPITAL PROJECTS 2021 Approved Debt: \$203,900 2022 Approved Debt: \$405,565 2022 Approved Debt Post Budget Deliberation (WTR-2022-05): \$270,000	203,900	879,465	-	-	879,465

2025-2034 Draft Water Capital Forecast

Table 20: 2025-2027 Water Capital Forecast

Description	2024 Draft Budget	2025 Forecast	2026 Forecast	2027 Forecast
Creighton Heights Valve and Equipment Replacements				
Creighton Heights – Distribution System Extension and Looping				
Creighton Heights Roof and Site Repairs			169,000	
Camborne - Electrical, Instrumentation and Controls Upgrades				
Camborne – Replace Filter Media				
Camborne HLP#2 (Jockey Pump)	32,000			
Distribution System Preventative Maintenance		61,000		
Line Valve Replacement		10,000	10,000	10,000
Water Meter Upgrades	20,000	20,000	20,000	20,000
Total Capital Expenditures excluding Ammonia Removal System	52,000	91,000	199,000	30,000
Creighton Heights – Engineering Design of Ammonia Removal System		318,000		
Creighton Heights – Construction of Ammonia Removal System				836,500
Total Capital Expenditures including Ammonia Removal System	52,000	409,000	199,000	866,500

Table 21: 2028-2034 Water Capital Forecast

Description	2028 Forecast	2029 Forecast	2030 Forecast	2031 Forecast	2032 Forecast	2033 Forecast	2034 Forecast
Creighton Heights Valve and Equipment Replacements		345,000					
Creighton Heights – Distribution System Extension and Looping			234,000				
Creighton Heights Roof and Site Repairs							
Camborne - Electrical, Instrumentation and Controls Upgrades	252,000						
Camborne – Replace Filter Media							
Camborne HLP#2 (Jockey Pump)							
Distribution System Preventative Maintenance							
Line Valve Replacement	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Water Meter Upgrades	20,000	20,000	20,000	20,000	20,000	20,000	20,000
Total Capital Expenditures excluding Ammonia Removal System	282,000	375,000	264,000	30,000	30,000	30,000	30,000
Creighton Heights – Engineering Design of Ammonia Removal System							
Creighton Heights – Construction of Ammonia Removal System	836,500						
Total Capital Expenditures including Ammonia Removal System	1,118,500	375,000	264,000	30,000	30,000	30,000	30,000

Final Thoughts

Thank you for taking the time to review the Township of Hamilton's 2024 Draft Water Budget Package.

Should you have any questions regarding the information presented in this package, please do not hesitate to contact the Mayor, a Member of Council or the Treasurer.

Members of the public are also invited to attend any of the upcoming Public Budget Meetings to ask questions during Question Period and to stay engaged and up-to-date with the 2024 Budget conversation. The meetings will also be broadcast live on the [Township's YouTube Channel](#) and will be available online for viewing after the meetings as well.

The scheduled water budget meetings are:

- Special Council Budget Meeting #1
 - December 14, 2023 (10:00am to 4:00pm)
- Special Council Budget Meeting #2
 - December 20, 2023 (10:00am to 4:00pm)

To access budget meeting agendas and minutes, as well as any of the budget reports and presentations, please visit the [Township's Council Portal](#) or scan the QR Code below.

Member of Council / Staff	Contact Details
Mayor Scott Jibb	scottjibb@hamiltontownship.ca
Deputy Mayor Larry Williamson	lwilliamson@hamiltontownship.ca
Councillor Mark Lovshin	mlovshin@hamiltontownship.ca
Councillor John Davison	jdavison@hamiltontownship.ca
Councillor Bruce Buttar	bbuttar@hamiltontownship.ca
Treasurer Nusrat Ahmed	nahmed@hamiltontownship.ca

Appendix

	2021 Actuals	2022 Actual	2023 Preliminary Actual	2023 Budget	2024 Draft Budget
Water					
PENALTIES & INTEREST	(776)	(890)	(953)	(2,000)	(2,000)
MISC. REVENUE	-	-	(46,172)	-	-
METER SALES	(1,027)	(5,287)	(6,873)	(3,500)	(3,500)
OTHER RECOVERIES	(17,412)	(10,810)	(9,809)	(2,000)	(2,000)
BUTTERSFIELD COST RECOVERIES	(24,487)	(28,161)	(32,385)	(36,912)	(36,912)
SALARY AND BENEFITS	275,402	268,672	217,010	308,266	339,300
TRANSFER TO WATER RESERVE	24,699	70,263	70,263	70,263	70,263
TRANSFER TO WATER RATE STUDY RESERVE	10,000	10,000	10,000	10,000	10,000
TRANSFER TO CAPITAL RESERVE	28,260	28,510	75,806	29,634	82,156
TRANSFER TO BUTTERSFIELD CAPITAL RESERVE	24,487	27,911	7,798	7,798	12,612
WATERWORKS SYS -INTEREST	-	11,001	2,603	54,900	54,900
WATERWORKS SYS -BUTTERSFIELD DEBT	-	-	-	24,300	24,300
TRAINING	2,929	4,100	1,953	4,000	4,500
MEMBERSHIPS	935	190	916	800	800
MILEAGE & FUEL	3,969	8,362	6,305	8,000	9,000
STAFF APPRECIATION	220	323	-	500	500
OFFICE SUPPLIES	444	320	366	500	500
LAB SUPPLIES	4,077	6,269	5,011	6,500	6,800
INSURANCE	22,151	25,973	33,265	26,000	36,600
AUDIT - DWQMS	1,526	5,041	1,832	4,500	4,500
TELEPHONE	964	1,038	788	800	1,000
DISPATCHING SERVICES	824	895	721	850	1,100
COURIER/POSTAGE		2,032	2,451	1,500	2,200
SAMPLING	265	347	413	500	500
CONTRACTED OUT	12,377	16,025	9,669	25,000	26,000
MINOR CAPITAL	2,736	1,192	157	1,500	1,500
VEHICLE REPAIRS	1,412	296	2,483	2,000	4,000
WRITE OFFS	-	-	-	500	500
GIS MAPPING	-	1,128	-	2,500	2,500
CONSULTANT GENERAL	18,322	2,865	8,141	5,000	6,000
WATERWORKS WATER METERS	-	-	-	-	3,500
COMPUTER HARDWARE, SOFTWARE AND INTERNET SUPPORT	6,614	9,693	6,614	10,000	10,000

	2021 Actuals	2022 Actual	2023 Preliminary Actual	2023 Budget	2024 Draft Budget
Camborne					
WATER BILLING	(56,270)	(58,179)	(84,967)	(66,103)	(76,018)
CAPITAL COST RECOVERY	(15,169)	(17,445)	(20,061)	(19,201)	(22,081)
CHEMICAL SUPPLY	742	1,346	861	900	1,000
HYDRO	7,497	6,644	4,827	7,200	7,200
HEATING FUEL	1,535	2,338	1,271	2,000	2,000
TELEPHONE	1,351	1,448	1,284	1,300	1,300
SAMPLING	2,495	1,773	1,820	2,500	2,500
LINE MAINT	23,881	15,666	13,916	20,000	20,000
HOLDING TANK	440	-	-	500	500
Creighton Heights					
WATER BILLING	(338,803)	(384,628)	(357,504)	(488,629)	(561,924)
CAPITAL COST RECOVERY	(107,050)	(123,359)	(141,862)	(140,779)	(161,896)
CHEMICALS	13,210	14,605	13,385	15,000	15,500
HYDRO	51,934	61,162	37,965	60,000	61,000
TELEPHONE	669	723	642	800	800
SAMPLING	5,770	5,874	4,960	6,000	6,000
LINE MAINTENANCE	26,153	13,585	36,108	30,000	31,000
SCADA NETWORK	672	672	616	800	800
HOLDING TANK	1,299	899	-	1,200	1,200
Hydrants					
AREA CHARGE HYDRANTS	(19,466)	(18,926)	(19,197)		(18,451)
TRANSFER TO HYDRANT RESERVE	15,677	14,083	10,562	14,083	14,083
HYDRANT INSPECTIONS	3,789	9,443	4,516	4,368	4,368



Thank You!

Creating a budget demands substantial effort and coordination across the organization. We express gratitude to all involved for their hard work and diligence in this process. Thank you for your dedicated contributions in the deliverance of a **Plan for Today and Tomorrow.**